

direct-axis synchronous reactance. In other words, out of phase synchronous reactance is reduced.

D⁵ *cancel'd.*

Figure 4 illustrates an arrangement of the invention employing three phase compensation. According to the invention, an exciter 40, which may be a positive or negative exciter, is coupled to the phases 42a, 42b and 42c of a rotating machine. The phases 42 are Y connected having a neutral point 44 which is connected to ground 46 via a suppression filter 48. A surge arrester 50 may be coupled in parallel with the suppression filter 48 as shown. A cooling means 52 employing either gas or liquid working fluid 54 may be provided in heat exchange relation with the phases 42 of the arrangement illustrated.

✓ IN THE CLAIMS:

✓ Cancel claim 27.

D⁶

35. (Amended) A synchronous compensator plant comprising at least one rotating electric machine having at least one winding, wherein the winding has an insulation system which, as regards its thermal and electrical properties, permits a voltage level in the machine exceeding 36 kV.

37. (Amended) A rotating electric machine in the form of a synchronous compensator having at least one winding, wherein the winding comprises an insulation system including at least two semiconducting layers, each layer constituting essentially one equipotential surface, with solid insulation disposed therebetween.

D⁶
cancel'd.

39. (Amended) A synchronous compensator plant including a rotating high voltage electric machine comprising a stator; a rotor and a winding, wherein said winding comprises a cable including at least one current-carrying conductor including a plurality of insulated strands and a lesser plurality of uninsulated strands and a cover surrounding the conductor in electrical contact with the uninsulated strands, including an inner layer surrounding the conductor and being in electrical contact therewith; an insulating layer surrounding the inner layer; and an outer semiconducting layer surrounding the insulating layer, said cable forming at least one uninterrupted turn in the corresponding winding of said machine.

✓Cancel claim 41.

✓Cancel claim 42.

D⁷

49. (Amended) The synchronous compensator plant of claim 39, wherein the winding is threaded through openings formed in the stator.

50. (Amended) The synchronous compensator plant of claim 39, wherein the cover is flexible.

✓IN THE DRAWINGS:

It is proposed to amend Fig. 1 in accordance with the attached marked print.

It is also proposed to add new Fig. 4 attached hereto.